

=> d his nofile

(FILE 'HOME' ENTERED AT 13:16:28 ON 19 APR 2006)

FILE 'REGISTRY' ENTERED AT 13:16:48 ON 19 APR 2006

L1 STRUCTURE UPLOADED

D L1

L2 8 SEA SSS SAM L1

D SCAN

L3 205 SEA SSS FUL L1

FILE 'CAPLUS' ENTERED AT 13:19:17 ON 19 APR 2006

L4 129 SEA ABB=ON PLU=ON L3

E PHOSPHODIESTERASE VII/CT

FILE 'REGISTRY' ENTERED AT 13:20:22 ON 19 APR 2006

E PHOSPHODIESTERASE VII/CN

FILE 'CAPLUS' ENTERED AT 13:20:22 ON 19 APR 2006

S E3

FILE 'REGISTRY' ENTERED AT 13:20:28 ON 19 APR 2006

L5 1 SEA ABB=ON PLU=ON "PHOSPHODIESTERASE VII"/CN

FILE 'CAPLUS' ENTERED AT 13:20:29 ON 19 APR 2006

L6 6194 SEA ABB=ON PLU=ON L5

E 544280/NCL

L7 246 SEA ABB=ON PLU=ON 544280?/NCL

L8 1 SEA ABB=ON PLU=ON L4 AND (L6 OR L7)

D SCAN

D HIT

L9 0 SEA ABB=ON PLU=ON L4 (L) PHOSPHODIESTERASE?

FILE 'REGISTRY' ENTERED AT 13:34:19 ON 19 APR 2006

FILE 'CAPLUS' ENTERED AT 13:35:06 ON 19 APR 2006

FILE 'STNGUIDE' ENTERED AT 13:35:10 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 13:47:56 ON 19 APR 2006

L10 STRUCTURE UPLOADED

D L10

L11 21 SEA SSS SAM L10

FILE 'STNGUIDE' ENTERED AT 13:49:59 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 13:50:56 ON 19 APR 2006

L12 STRUCTURE UPLOADED

L13 4 SEA SSS SAM L12

D SCAN

L14 105 SEA SSS FUL L12

FILE 'CAPLUS' ENTERED AT 13:52:08 ON 19 APR 2006

L15 21 SEA ABB=ON PLU=ON L14

D IBIB ABS HITSTR L15 TOT

FILE 'CAPLUS' ENTERED AT 13:54:07 ON 19 APR 2006

FILE 'STNGUIDE' ENTERED AT 13:58:12 ON 19 APR 2006



=> file caplus

FILE 'CAPLUS' ENTERED AT 13:54:07 ON 19 APR 2006

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FILE COVERS 1907 - 19 Apr 2006 VOL 144 ISS 17

FILE LAST UPDATED: 18 Apr 2006 (20060418/ED)

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<http://www.cas.org/infopolicy.html>

Training with  
Bill Mercier



Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: XXXXXXXXXX

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3 DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/USPAT2
NEWS	4 JAN 13	IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS	5 JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS	6 JAN 17	Pre-1988 INPI data added to MARPAT
NEWS	7 JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS	8 JAN 30	Saved answer limit increased
NEWS	9 FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS	10 FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS	11 FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS	12 FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	13 FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS	14 FEB 28	TOXCENTER reloaded with enhancements
NEWS	15 FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS	16 MAR 01	INSPEC reloaded and enhanced
NEWS	17 MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS	18 MAR 08	X.25 communication option no longer available after June 2006
NEWS	19 MAR 22	EMBASE is now updated on a daily basis
NEWS	20 APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS	21 APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
NEWS	22 APR 04	STN AnaVist \$500 visualization usage credit offered
NEWS	23 APR 12	LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS	24 APR 12	Improved structure highlighting in FQHIT and QHIT display in MARPAT
NEWS	25 APR 12	Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
NEWS EXPRESS	FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT <a href="http://download.cas.org/express/v8.0-Discover/">http://download.cas.org/express/v8.0-Discover/</a>	
NEWS HOURS	STN Operating Hours Plus Help Desk Availability	
NEWS LOGIN	Welcome Banner and News Items	
NEWS IPC8	For general information regarding STN implementation of IPC 8	

Enter NEWS followed by the item number or name to see news on that

specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 13:16:28 ON 19 APR 2006

=> file reg

FILE 'REGISTRY' ENTERED AT 13:16:48 ON 19 APR 2006

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 17 APR 2006 HIGHEST RN 880759-42-2

DICTIONARY FILE UPDATES: 17 APR 2006 HIGHEST RN 880759-42-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

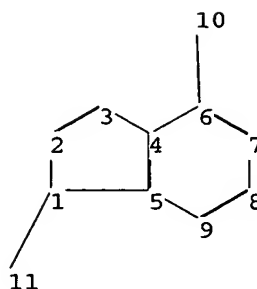
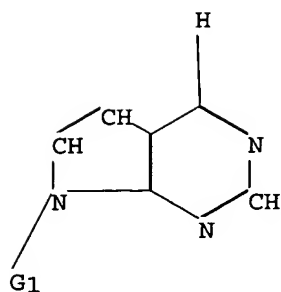
Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\moore1.str



```

chain nodes :
10 11
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
1-11 6-10
ring bonds :
1-2 1-5 2-3 3-4 4-5 4-6 5-9 6-7 7-8 8-9
exact/norm bonds :
1-2 1-5 1-11 2-3 3-4
exact bonds :
6-10
normalized bonds :
4-5 4-6 5-9 6-7 7-8 8-9

```

G1:Ph,Hy

Match level :

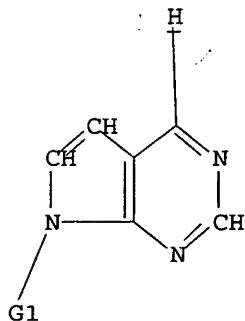
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
11:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



G1 Ph,Hy

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 13:17:17 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 2553 TO ITERATE

78.3% PROCESSED 2000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

8 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 48030 TO 54090  
PROJECTED ANSWERS: 13 TO 395

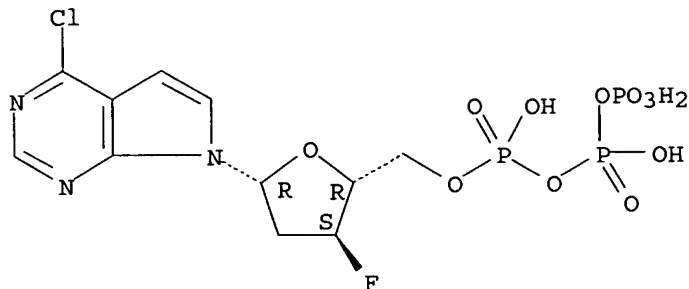
L2 8 SEA SSS SAM L1

=> d scan

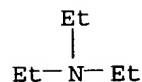
L2 8 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN 7H-Pyrrolo[2,3-d]pyrimidine, 4-chloro-7-[2,3-dideoxy-3-fluoro-5-O-  
[hydroxy[[hydroxy(phosphonooxy)phosphinyl]oxy]phosphinyl]-β-D-erythro-  
pentofuranosyl]-, compd. with N,N-diethylethanamine (1:4) (9CI)  
MF C11 H14 Cl F N3 O11 P3 . 4 C6 H15 N

CM 1

Absolute stereochemistry.



CM 2

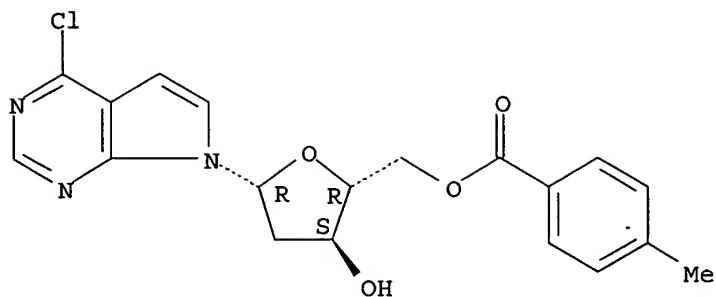


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 8 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
IN 7H-Pyrrolo[2,3-d]pyrimidine, 4-chloro-7-[2-deoxy-5-O-(4-methylbenzoyl)-  
β-D-erythro-pentofuranosyl]- (9CI)  
MF C19 H18 Cl N3 O4

Absolute stereochemistry.



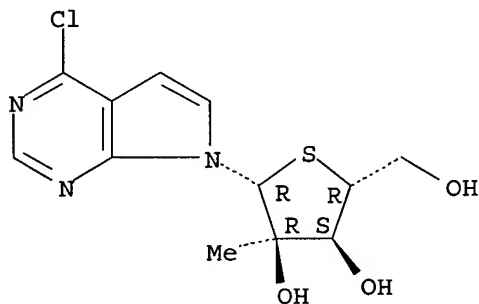


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 8 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN 7H-Pyrrolo[2,3-d]pyrimidine, 4-chloro-7-(2-C-methyl-4-thio-β-D-ribofuranosyl)- (9CI)  
 MF C12 H14 Cl N3 O3 S

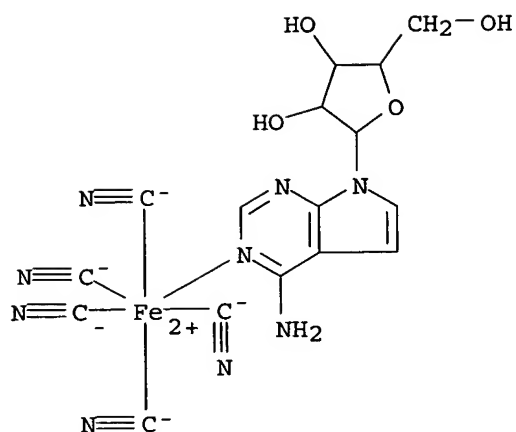
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

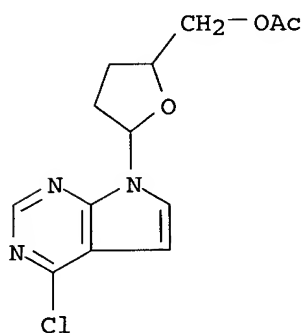
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 8 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN Ferrate(3-), pentakis(cyano-C) (7-β-D-ribofuranosyl-7H-pyrrolo[2,3-d]pyrimidin-4-amine-N3)-, (OC-6-22)- (9CI)  
 MF C16 H14 Fe N9 O4  
 CI CCS



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 8 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN 2-Furanmethanol, 5-(4-chloro-7H-pyrrolo[2,3-d]pyrimidin-7-yl)tetrahydro-,  
 acetate (ester), (2S-cis) - (9CI)  
 MF C13 H14 Cl N3 O3

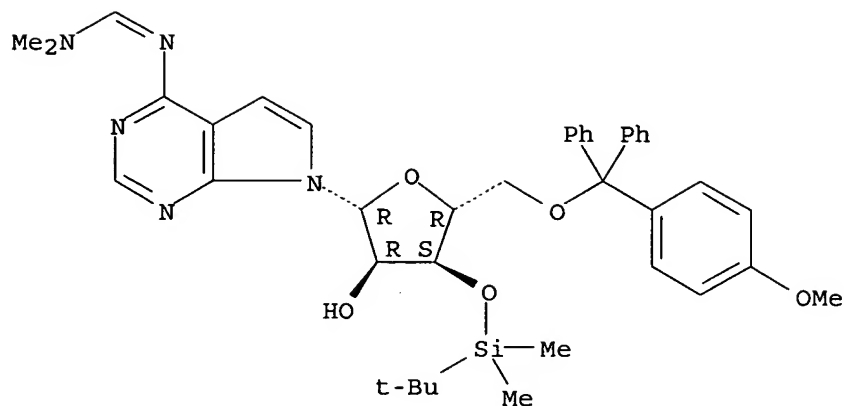


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 8 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN Methanimidamide, N'-[7-[3-O-[(1,1-dimethylethyl)dimethylsilyl]-5-O-[(4-methoxyphenyl)diphenylmethyl]-β-D-ribofuranosyl]-7H-pyrrolo[2,3-d]pyrimidin-4-yl]-N,N-dimethyl- (9CI)  
 MF C40 H49 N5 O5 Si

Absolute stereochemistry.  
 Double bond geometry unknown.

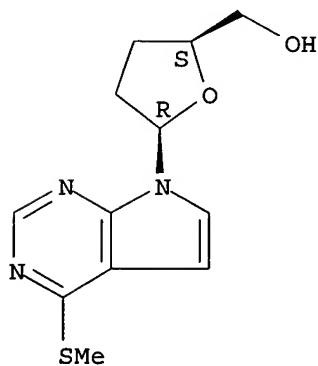


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 8 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN 2-Furanmethanol, tetrahydro-5-[4-(methylthio)-7H-pyrrolo[2,3-d]pyrimidin-7-yl]-, (2S-cis)-(9CI)  
 MF C12 H15 N3 O2 S

Absolute stereochemistry.

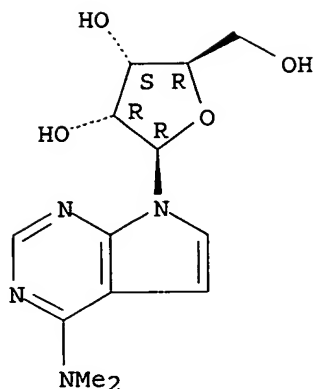


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L2 8 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, N,N-dimethyl-7-β-D-ribofuranosyl-(9CI)  
 MF C13 H18 N4 O4

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> s l2 full

FULL SEARCH INITIATED 13:18:36 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 51905 TO ITERATE

100.0% PROCESSED 51905 ITERATIONS

205 ANSWERS

SEARCH TIME: 00.00.02

L3 205 SEA SSS FUL L1

=> d scan

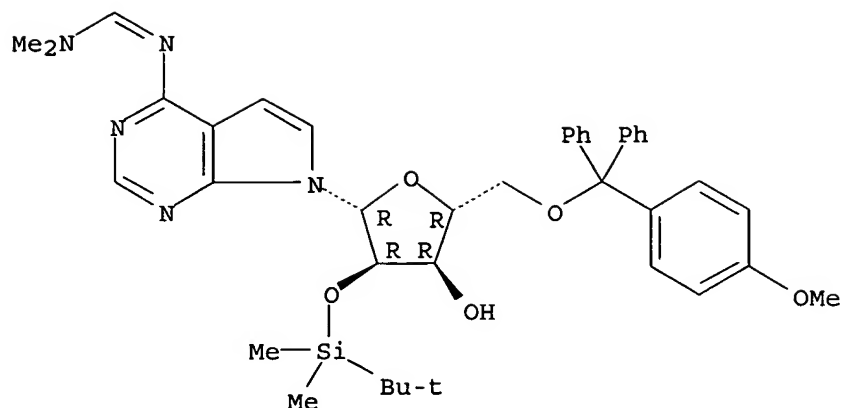
L3 205 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Methanimidamide, N'-[7-[2-O-[(1,1-dimethylethyl)dimethylsilyl]-5-O-[(4-methoxyphenyl)diphenylmethyl]-β-D-ribofuranosyl]-7H-pyrrolo[2,3-d]pyrimidin-4-yl]-N,N-dimethyl- (9CI)

MF C40 H49 N5 O5 Si

Absolute stereochemistry.

Double bond geometry unknown.

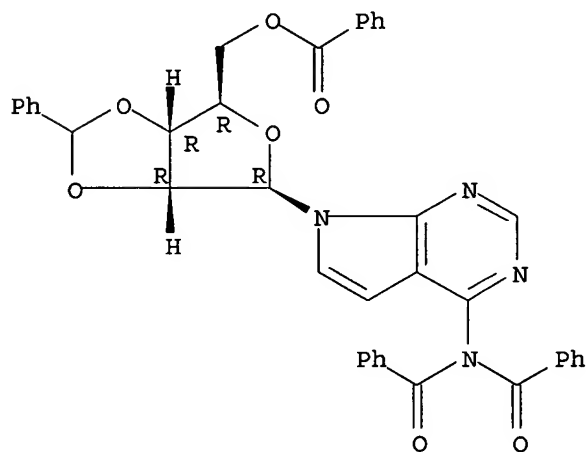


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L3 205 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN Benzamide, N-benzoyl-N-[7-[5-O-benzoyl-2,3-O-(phenylmethylene)-β-D-ribofuranosyl]-7H-pyrrolo[2,3-d]pyrimidin-4-yl]- (9CI)  
 MF C39 H30 N4 O7

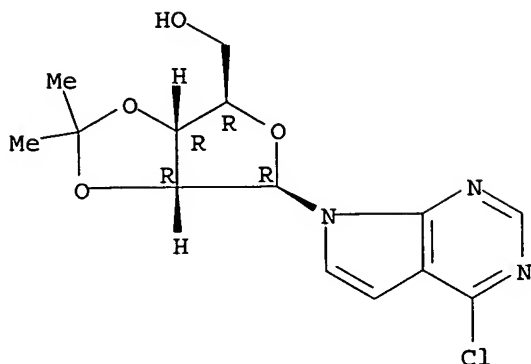
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L3 205 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN 7H-Pyrrolo[2,3-d]pyrimidine, 4-chloro-7-[2,3-O-(1-methylethylidene)-β-D-ribofuranosyl]- (9CI)  
 MF C14 H16 Cl N3 O4

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus

FILE 'CAPLUS' ENTERED AT 13:19:17 ON 19 APR 2006

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FILE LAST UPDATED: 18 Apr 2006 (20060418/ED)

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<http://www.cas.org/infopolicy.html>

=> s l3

L4 129 L3

=> e phosphodiesterase Vii/ct

E#	FREQUENCY	AT	TERM
E1	0	2	PHOSPHODIESTERASE III/CT
E2	0	2	PHOSPHODIESTERASE V/CT
E3	0	-->	PHOSPHODIESTERASE VII/CT
E4	0	2	PHOSPHODIESTERASE, ADENOSINE CYCLIC 3',5'-PHOSPHATE/CT

E5	0	2	PHOSPHODIESTERASE, CYCLIC 2',3'-NUCLEOTIDE 3'-/CT
E6	0	2	PHOSPHODIESTERASE, CYCLIC 3',5'-NUCLEOTIDE/CT
E7	0	2	PHOSPHODIESTERASE, GUANOSINE CYCLIC 3',5'-PHOSPHATE/CT
E8	0	1	PHOSPHODIESTERASE-INHIBITING/CT
E9	0	2	PHOSPHODIESTERASE-INHIBITING MOLECULAR STRUCTURE-BIOLOGICAL ACTIVITY RELATIONSHIP/CT
E10	0	2	PHOSPHODIESTERASE-IV/CT
E11	0	2	PHOSPHODIESTERASES/CT
E12	0	2	PHOSPHODIESTERS/CT

=> e phosphodiesterase Vii/cn

REGISTRY INITIATED

Substance data EXPAND from CAS REGISTRY in progress...

E1	1	PHOSPHODIESTERASE V (HUMAN LUNG)/CN
E2	1	PHOSPHODIESTERASE VI/CN
E3	1 -->	PHOSPHODIESTERASE VII/CN
E4	1	PHOSPHODIESTERASE VIII/CN
E5	1	PHOSPHODIESTERASE ZCYTOR13 (HUMAN)/CN
E6	1	PHOSPHODIESTERASE, (2'.FWDARW.5')-OLIGOADENYLATE 2'-/CN
E7	1	PHOSPHODIESTERASE, (2'.FWDARW.5')-OLIGOADENYLATE 2'- (HUMAN)/CN
E8	1	PHOSPHODIESTERASE, (ACYL CARRIER PROTEIN)/CN
E9	1	PHOSPHODIESTERASE, (ACYL CARRIER PROTEIN) (AZOSPIRILLUM LIPOFERUM STRAIN 4VI GENE ACPD)/CN
E10	1	PHOSPHODIESTERASE, (ACYL CARRIER PROTEIN) (ESCHERICHIA COLI STRAIN K-12 CLONE KOHARA-#269)/CN
E11	1	PHOSPHODIESTERASE, (ACYL CARRIER PROTEIN) (ESCHERICHIA COLI STRAIN K12-MG1655 GENE ACPD)/CN
E12	1	PHOSPHODIESTERASE, (ACYL CARRIER PROTEIN) (MPN479) (MYCOPLASMA PNEUMONIAE STRAIN M129 GENE P01-ORF197)/CN

=> s e3

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L6 6194 L5

=> d his

(FILE 'HOME' ENTERED AT 13:16:28 ON 19 APR 2006)

FILE 'REGISTRY' ENTERED AT 13:16:48 ON 19 APR 2006

L1 STRUCTURE UPLOADED

L2 8 S L1

L3 205 S L2 FULL

FILE 'CAPLUS' ENTERED AT 13:19:17 ON 19 APR 2006

L4 129 S L3

E PHOSPHODIESTERASE VII/CT

FILE 'REGISTRY' ENTERED AT 13:20:22 ON 19 APR 2006  
E PHOSPHODIESTERASE VII/CN

FILE 'CAPLUS' ENTERED AT 13:20:22 ON 19 APR 2006  
S E3

L5 FILE 'REGISTRY' ENTERED AT 13:20:28 ON 19 APR 2006  
1 S E3/CN

L6 FILE 'CAPLUS' ENTERED AT 13:20:29 ON 19 APR 2006  
6194 S L5

=> e 544280/ncl

E#	FREQUENCY	AT	TERM
E1	385	3	544278000/NCL
E2	377	2	544279000/NCL
E3	0	-->	544280/NCL
E4	246	1	544280000/NCL
E5	217	5	544281000/NCL
E6	192	2	544282000/NCL
E7	403	6	544283000/NCL
E8	628	2	544284000/NCL
E9	248	2	544285000/NCL
E10	220	2	544286000/NCL
E11	374	2	544287000/NCL
E12	84	1	544288000/NCL

=> s 544280?/ncl

L7 246 544280?/NCL

=> d his

(FILE 'HOME' ENTERED AT 13:16:28 ON 19 APR 2006)

L1 FILE 'REGISTRY' ENTERED AT 13:16:48 ON 19 APR 2006  
STRUCTURE UPLOADED

L2 8 S L1

L3 205 S L2 FULL

L4 FILE 'CAPLUS' ENTERED AT 13:19:17 ON 19 APR 2006  
129 S L3

E PHOSPHODIESTERASE VII/CT

FILE 'REGISTRY' ENTERED AT 13:20:22 ON 19 APR 2006  
E PHOSPHODIESTERASE VII/CN

FILE 'CAPLUS' ENTERED AT 13:20:22 ON 19 APR 2006  
S E3

L5 FILE 'REGISTRY' ENTERED AT 13:20:28 ON 19 APR 2006  
1 S E3/CN

L6 FILE 'CAPLUS' ENTERED AT 13:20:29 ON 19 APR 2006  
6194 S L5

E 544280/NCL

L7 246 S 544280?/NCL

=> s 14 and 16,17

L8 1 L4 AND (L6 OR L7)



=&gt; d scan

L8 1 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN  
 IC ICM A01N043-90  
 ICS C07D487-04; C07D519-00; C07D487-04; C07D239-00; C07D209-00;  
 C07D519-00; C07D487-00; C07D487-00  
 CC 5-4 (Agrochemical Bioregulators)  
 Section cross-reference(s): 28  
 TI Preparation of pyrrolopyrimidines as pesticides  
 ST pyrrolopyrimidine deriv prepn pesticide  
 IT Acaricides  
 Fungicides  
 Insecticides  
 (pyrrolopyrimidines)  
 IT 71149-52-5  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (benzylation of)  
 IT 16019-34-4P 201003-17-0P 201003-18-1P 201003-19-2P 201003-20-5P  
 201003-21-6P 201003-22-7P 201003-23-8P 201003-24-9P 201003-25-0P  
 201003-26-1P 201003-27-2P 201003-28-3P 201003-29-4P 201003-30-7P  
 201003-31-8P 201003-32-9P 201003-33-0P 201003-34-1P 201003-35-2P  
 201003-36-3P 201003-37-4P 201003-38-5P 201003-39-6P 201003-40-9P  
 201003-41-0P 201003-42-1P 201003-43-2P 201003-44-3P 201003-45-4P  
 201003-46-5P 201003-47-6P 201003-49-8P 201003-50-1P 201003-51-2P  
 201003-52-3P 201003-53-4P 201003-54-5P 201003-55-6P 201003-56-7P  
 201003-57-8P 201003-58-9P 201003-59-0P 201003-60-3P 201003-61-4P  
 201003-62-5P 201003-63-6P 201003-64-7P 201003-65-8P 201003-66-9P  
 201003-67-0P 201003-68-1P 201003-69-2P 201003-70-5P 201003-71-6P  
 201003-72-7P 201003-73-8P 201003-74-9P 201003-75-0P 201003-76-1P  
 201003-77-2P 201003-78-3P 201003-79-4P 201003-80-7P 201003-81-8P  
 201003-82-9P 201003-84-1P 201003-86-3P 201152-43-4P  
 RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological  
 study); PREP (Preparation); USES (Uses)  
 (preparation as pesticide)

ALL ANSWERS HAVE BEEN SCANNED

=&gt; d hit

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 6103726	NCL	514/265.100; 514/063.000; 544/280.000
IT 16019-34-4P	201003-17-0P	201003-18-1P 201003-19-2P 201003-20-5P
201003-21-6P	201003-22-7P	201003-23-8P 201003-24-9P 201003-25-0P
201003-26-1P	201003-27-2P	201003-28-3P 201003-29-4P 201003-30-7P
201003-31-8P	201003-32-9P	201003-33-0P 201003-34-1P 201003-35-2P
201003-36-3P	201003-37-4P	201003-38-5P 201003-39-6P 201003-40-9P
201003-41-0P	201003-42-1P	201003-43-2P 201003-44-3P 201003-45-4P
201003-46-5P	201003-47-6P	201003-49-8P 201003-50-1P 201003-51-2P
201003-52-3P	201003-53-4P	201003-54-5P 201003-55-6P 201003-56-7P
201003-57-8P	201003-58-9P	201003-59-0P 201003-60-3P 201003-61-4P
201003-62-5P	201003-63-6P	201003-64-7P 201003-65-8P 201003-66-9P
201003-67-0P	201003-68-1P	201003-69-2P 201003-70-5P 201003-71-6P
201003-72-7P	201003-73-8P	201003-74-9P 201003-75-0P 201003-76-1P
201003-77-2P	201003-78-3P	201003-79-4P 201003-80-7P 201003-81-8P
201003-82-9P	201003-84-1P	201003-86-3P 201152-43-4P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation as pesticide)

=> d his

(FILE 'HOME' ENTERED AT 13:16:28 ON 19 APR 2006)

FILE 'REGISTRY' ENTERED AT 13:16:48 ON 19 APR 2006

L1 STRUCTURE UPLOADED

L2 8 S L1

L3 205 S L2 FULL

FILE 'CAPLUS' ENTERED AT 13:19:17 ON 19 APR 2006

L4 129 S L3

E PHOSPHODIESTERASE VII/CT

FILE 'REGISTRY' ENTERED AT 13:20:22 ON 19 APR 2006

E PHOSPHODIESTERASE VII/CN

FILE 'CAPLUS' ENTERED AT 13:20:22 ON 19 APR 2006

S E3

FILE 'REGISTRY' ENTERED AT 13:20:28 ON 19 APR 2006

L5 1 S E3/CN

FILE 'CAPLUS' ENTERED AT 13:20:29 ON 19 APR 2006

L6 6194 S L5

E 544280/NCL

L7 246 S 544280?/NCL

L8 1 S L4 AND L6,L7

=> s 14 (L) PHOSPHODIESTERASE?

26010 PHOSPHODIESTERASE?

L9 0 L4 (L) PHOSPHODIESTERASE?

=> d scan ti 14

L4 129 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN

TI Synthesis and antitrypanosomal activities of a series of  
7-deaza-5-noraristeromycin derivatives with variations in the cyclopentyl  
ring substituents

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L4 129 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN

TI Tubereidin derivatives as parasitocides

L4 129 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN

TI Dinucleoside 3',5'- and 2',5'-phosphates containing one 7-deazapurin  
riboside moiety

L4 129 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN

TI 7-Deazapurine 2'-deoxyribofuranosides are noncleavable competitive  
inhibitors of Escherichia coli purine nucleoside phosphorylase (PNP)

L4 129 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN

TI Analysis of the in vitro antiviral activity of certain ribonucleosides  
against parainfluenza virus using a novel computer aided receptor modeling

## procedure

- L4 129 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Tubercidin. Its conversion to 5'-amino-5'-deoxytubercidin
- L4 129 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Coupling reaction of 4-chloro-7-H-pyrrolo[2,3-d]pyrimidine with 2,3,5-tri-O-acetyl- $\beta$ -D-ribofuranosyl chloride
- L4 129 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Bending of oligonucleotides containing an isosteric nucleobase: 7-deaza-2'-deoxyadenosine replacing dA within d(A)<sub>6</sub> tracts
- L4 129 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Inhibitors of nucleoside transport. Structure-activity study using human erythrocytes
- L4 129 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Preparation of 7-deaza L-nucleosides as antiviral agents against the hepatitis B virus
- L4 129 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN  
 TI 2',3'-Dideoxy-3'-fluorotubercidin and related dideoxyribonucleosides: synthesis via a 2'-deoxy-3'-oxoribofuranoside intermediate and conformation studies

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

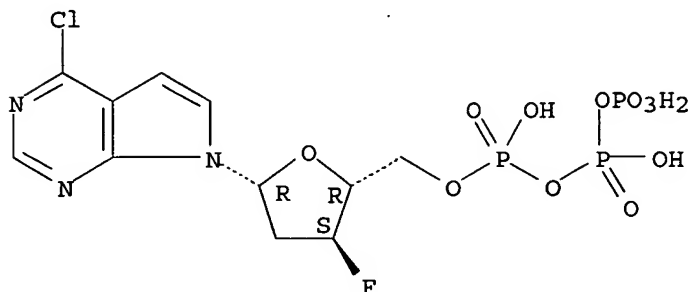
=> d scan 12

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

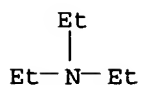
- L2 8 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN 7H-Pyrrolo[2,3-d]pyrimidine, 4-chloro-7-[2,3-dideoxy-3-fluoro-5-O-[hydroxy[[hydroxy(phosphonooxy)phosphinyl]oxy]phosphinyl]- $\beta$ -D-erythro-pentofuranosyl]-, compd. with N,N-diethylethanamine (1:4) (9CI)  
 MF C11 H14 Cl F N3 O11 P3 . 4 C6 H15 N

CM 1

Absolute stereochemistry.



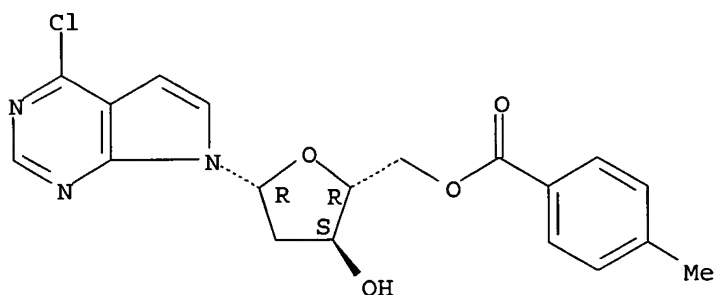
CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L2 8 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN 7H-Pyrrolo[2,3-d]pyrimidine, 4-chloro-7-[2-deoxy-5-O-(4-methylbenzoyl)-  
 β-D-erythro-pentofuranosyl]- (9CI)  
 MF C19 H18 Cl N3 O4

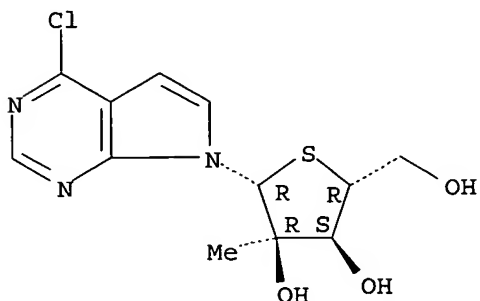
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L2 8 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN 7H-Pyrrolo[2,3-d]pyrimidine, 4-chloro-7-(2-C-methyl-4-thio-β-D-  
 ribofuranosyl)- (9CI)  
 MF C12 H14 Cl N3 O3 S

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file stnguide

FILE 'STNGUIDE' ENTERED AT 13:35:10 ON 19 APR 2006

USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT  
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Apr 14, 2006 (20060414/UP).

=> file reg  
FILE 'REGISTRY' ENTERED AT 13:47:56 ON 19 APR 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 18 APR 2006 HIGHEST RN 881002-15-9  
DICTIONARY FILE UPDATES: 18 APR 2006 HIGHEST RN 881002-15-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

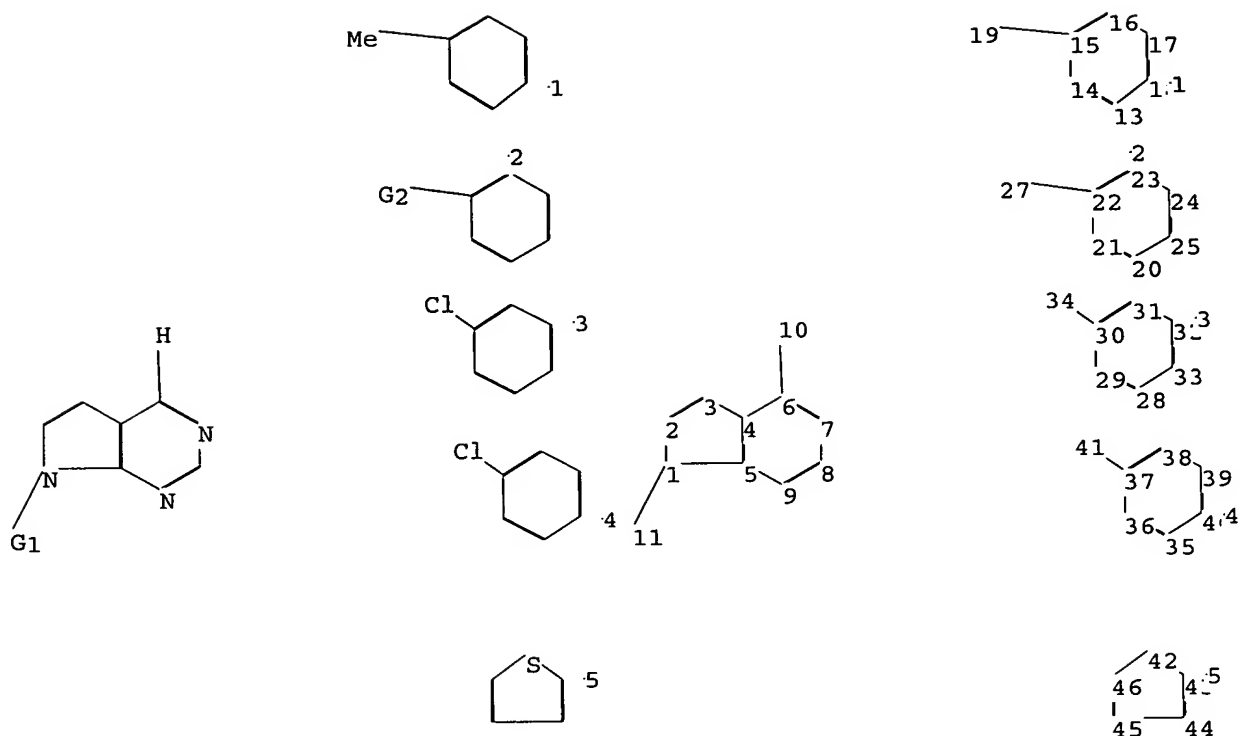
\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\moore2.str



chain nodes :

10 11 19 27 34 41

ring nodes :

1 2 3 4 5 6 7 8 9 13 14 15 16 17 18 20 21 22 23 24 25 28 29  
30 31 32 33 35 36 37 38 39 40 42 43 44 45 46

chain bonds :

1-11 6-10 15-19 22-27 30-34 37-41

ring bonds :

1-2 1-5 2-3 3-4 4-5 4-6 5-9 6-7 7-8 8-9 13-14 13-18 14-15 15-16 16-17  
17-18 20-21 20-25 21-22 22-23 23-24 24-25 28-29 28-33 29-30 30-31 31-32  
32-33 35-36 35-40 36-37 37-38 38-39 39-40 42-43 42-46 43-44 44-45 45-46

exact/norm bonds :

1-2 1-5 1-11 2-3 3-4 22-27 42-43 42-46 43-44 44-45 45-46

exact bonds :

6-10 15-19 30-34 37-41

normalized bonds :

4-5 4-6 5-9 6-7 7-8 8-9 13-14 13-18 14-15 15-16 16-17 17-18 20-21  
20-25 21-22 22-23 23-24 24-25 28-29 28-33 29-30 30-31 31-32 32-33 35-36  
35-40 36-37 37-38 38-39 39-40

G1:Ph, [\*1], [\*2], [\*3], [\*4], [\*5]

G2:Cl,F

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
11:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:Atom  
21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 27:CLASS 28:Atom 29:Atom 30:Atom  
31:Atom 32:Atom 33:Atom 34:CLASS 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom  
40:Atom 41:CLASS 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom

L10 STRUCTURE UPLOADED

=> d l10

L10 HAS NO ANSWERS

L10 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s l10

SAMPLE SEARCH INITIATED 13:48:30 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1128 TO ITERATE

100.0% PROCESSED 1128 ITERATIONS

21 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 20546 TO 24574

PROJECTED ANSWERS: 146 TO 694

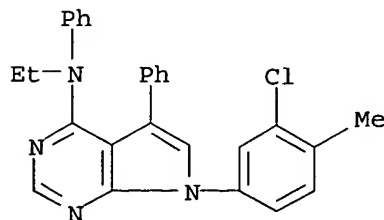
L11 21 SEA SSS SAM L10

=> d scan

L11 21 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, 7-(3-chloro-4-methylphenyl)-N-ethyl-  
N,5-diphenyl- (9CI)

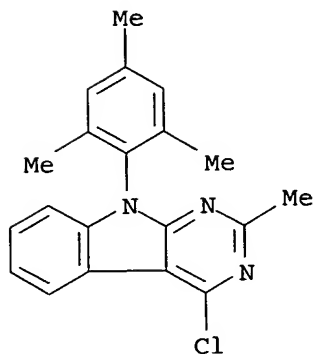
MF C27 H23 Cl N4



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

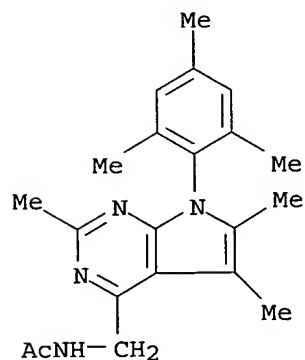
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L11 21 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN 9H-Pyrimido[4,5-b]indole, 4-chloro-2-methyl-9-(2,4,6-trimethylphenyl)-  
 (9CI)  
 MF C20 H18 Cl N3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L11 21 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN Acetamide, N-[[2,5,6-trimethyl-7-(2,4,6-trimethylphenyl)-7H-pyrrolo[2,3-  
 d]pyrimidin-4-yl]methyl]- (9CI)  
 MF C21 H26 N4 O

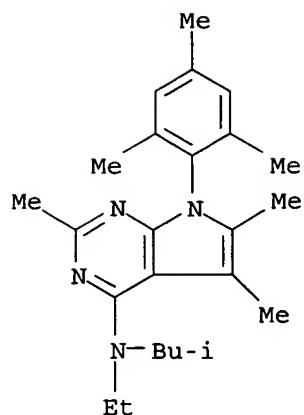


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

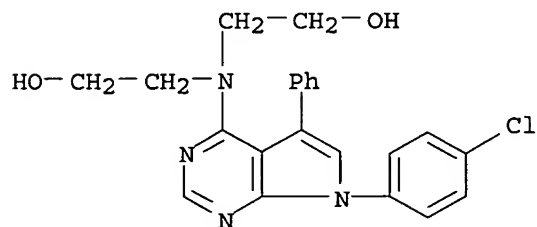
L11 21 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, N-ethyl-2,5,6-trimethyl-N-(2-  
 methylpropyl)-7-(2,4,6-trimethylphenyl)- (9CI)  
 MF C24 H34 N4





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

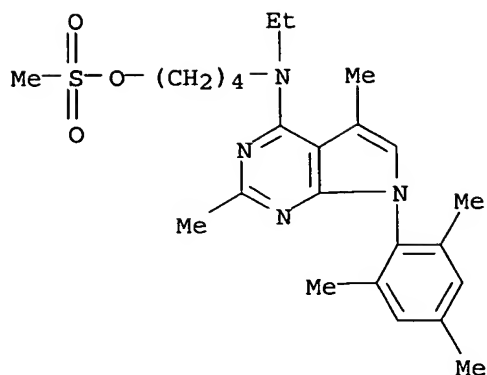
L11 21 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN Ethanol, 2,2'-[[7-(4-chlorophenyl)-5-phenyl-7H-pyrrolo[2,3-d]pyrimidin-4-yl]imino]bis- (9CI)  
 MF C22 H21 Cl N4 O2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

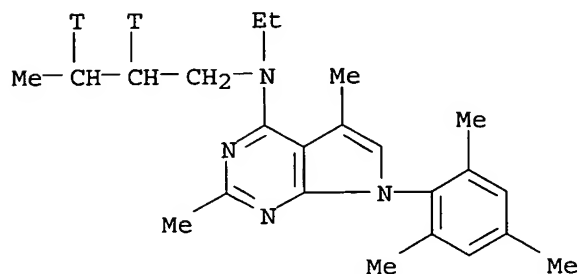
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L11 21 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN 1-Butanol, 4-[[2,5-dimethyl-7-(2,4,6-trimethylphenyl)-7H-pyrrolo[2,3-d]pyrimidin-4-yl]ethylamino]-, methanesulfonate (ester) (9CI)  
 MF C24 H34 N4 O3 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L11 21 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, N-(butyl-2,3-t2)-N-ethyl-2,5-dimethyl-  
 7-(2,4,6-trimethylphenyl)- (9CI)  
 MF C23 H30 N4 T2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file stnguide

FILE 'STNGUIDE' ENTERED AT 13:49:59 ON 19 APR 2006  
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 AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.  
 LAST RELOADED: Apr 14, 2006 (20060414/UP).

=> file reg

FILE 'REGISTRY' ENTERED AT 13:50:56 ON 19 APR 2006  
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 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file  
 provided by InfoChem.

STRUCTURE FILE UPDATES: 18 APR 2006 HIGHEST RN 881002-15-9  
DICTIONARY FILE UPDATES: 18 APR 2006 HIGHEST RN 881002-15-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now      *
* available and contains the CA role and document type information. *
*
*****
```

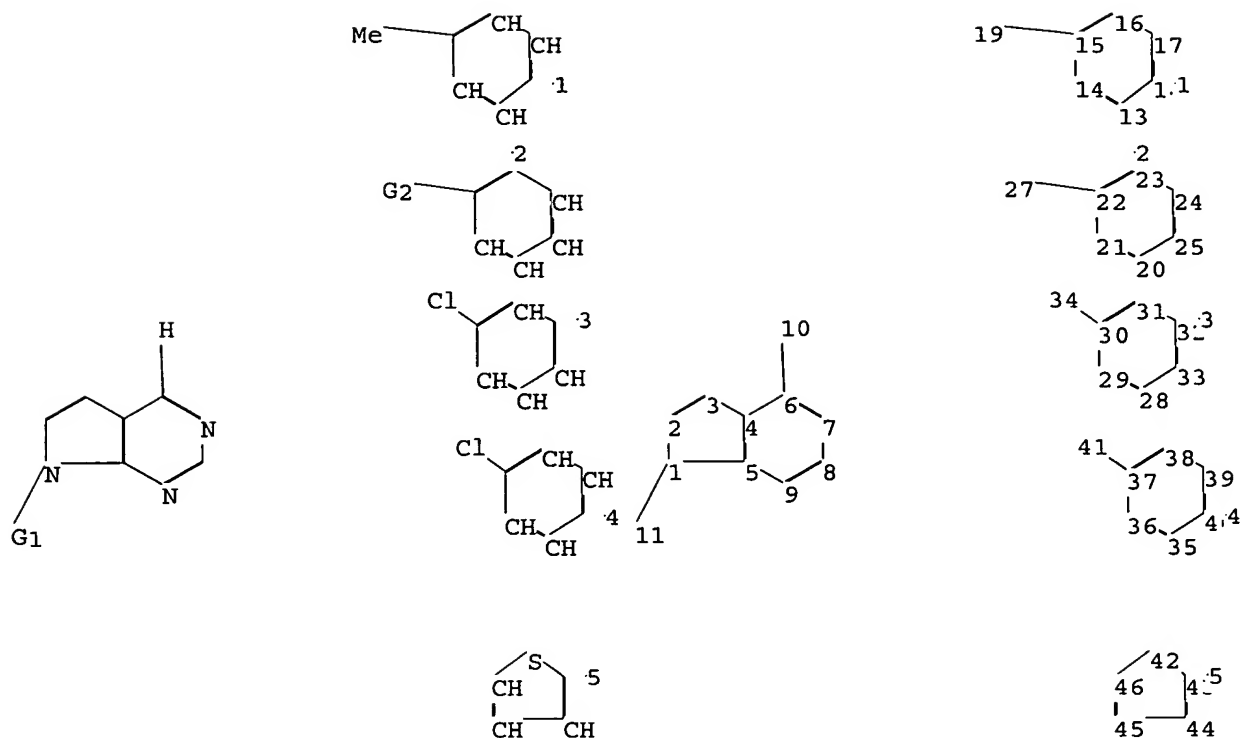
Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\moore3.str



chain nodes :

10 11 19 27 34 41

ring nodes :

1 2 3 4 5 6 7 8 9 13 14 15 16 17 18 20 21 22 23 24 25 28 29  
30 31 32 33 35 36 37 38 39 40 42 43 44 45 46

chain bonds :

1-11 6-10 15-19 22-27 30-34 37-41

ring bonds :

1-2 1-5 2-3 3-4 4-5 4-6 5-9 6-7 7-8 8-9 13-14 13-18 14-15 15-16 16-17  
17-18 20-21 20-25 21-22 22-23 23-24 24-25 28-29 28-33 29-30 30-31 31-32  
32-33 35-36 35-40 36-37 37-38 38-39 39-40 42-43 42-46 43-44 44-45 45-46

exact/norm bonds :

1-2 1-5 1-11 2-3 3-4 22-27 42-43 42-46 43-44 44-45 45-46

exact bonds :

6-10 15-19 30-34 37-41

normalized bonds :

4-5 4-6 5-9 6-7 7-8 8-9 13-14 13-18 14-15 15-16 16-17 17-18 20-21  
20-25 21-22 22-23 23-24 24-25 28-29 28-33 29-30 30-31 31-32 32-33 35-36  
35-40 36-37 37-38 38-39 39-40

G1:Ph, [\*1], [\*2], [\*3], [\*4], [\*5]

G2:Cl,F

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
11:CLASS 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS 20:Atom  
21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 27:CLASS 28:Atom 29:Atom 30:Atom  
31:Atom 32:Atom 33:Atom 34:CLASS 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom  
40:Atom 41:CLASS 42:Atom 43:Atom 44:Atom 45:Atom 46:Atom

L12 STRUCTURE UPLOADED

=> s l12

SAMPLE SEARCH INITIATED 13:51:35 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1128 TO ITERATE

100.0% PROCESSED 1128 ITERATIONS  
SEARCH TIME: 00.00.01

4 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 20546 TO 24574

PROJECTED ANSWERS: 4 TO 200

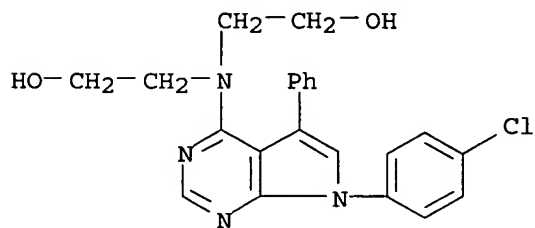
L13 4 SEA SSS SAM L12

=> d scan

L13 4 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Ethanol, 2,2'-[[7-(4-chlorophenyl)-5-phenyl-7H-pyrrolo[2,3-d]pyrimidin-4-yl]imino]bis- (9CI)

MF C22 H21 Cl N4 O2



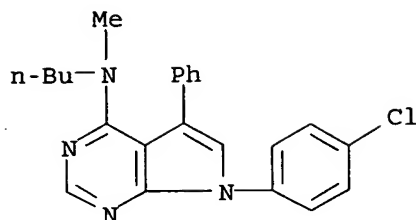
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):4

L13 4 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

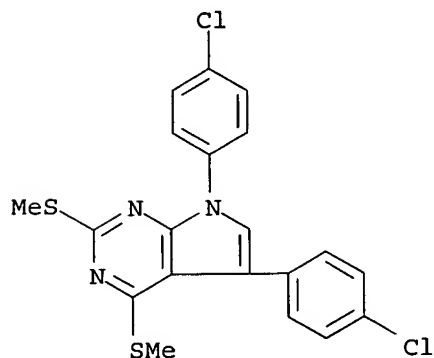
IN 7H-Pyrrolo[2,3-d]pyrimidin-4-amine, N-butyl-7-(4-chlorophenyl)-N-methyl-5-phenyl- (9CI)

MF C23 H23 Cl N4



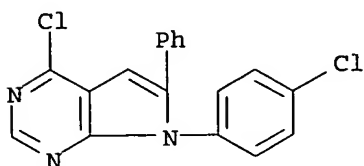
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L13 4 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN 7H-Pyrrolo[2,3-d]pyrimidine, 5,7-bis(4-chlorophenyl)-2,4-bis(methylthio)-  
 (9CI)  
 MF C20 H15 Cl2 N3 S2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L13 4 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN  
 IN 7H-Pyrrolo[2,3-d]pyrimidine, 4-chloro-7-(4-chlorophenyl)-6-phenyl- (9CI)  
 MF C18 H11 Cl2 N3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> s l13 full  
FULL SEARCH INITIATED 13:52:00 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 22398 TO ITERATE

100.0% PROCESSED 22398 ITERATIONS 105 ANSWERS  
SEARCH TIME: 00.00.01

L14 105 SEA SSS FUL L12

=> file caplus  
FILE 'CAPLUS' ENTERED AT 13:52:08 ON 19 APR 2006  
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FILE COVERS 1907 - 19 Apr 2006 VOL 144 ISS 17  
FILE LAST UPDATED: 18 Apr 2006 (20060418/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l14  
L15 21 L14

=> d scan

L15 21 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN  
CC 28-1 (Heterocyclic Compounds (More Than One Hetero Atom))  
Section cross-reference(s): 1, 10  
TI Pyrrolo[2,3-d]pyrimidines. Part 1. Synthesis of novel pyrrolo[2,3-d]pyrimidine derivatives with antimicrobial activity  
ST pyrrolopyrimidine deriv prepn antimicrobial activity  
IT Bactericides, Disinfectants, and Antiseptics  
Fungicides and Fungistats  
(synthesis of pyrrolo[2,3-d]pyrimidine derivs. with antimicrobial activity)  
IT 170464-80-9P 170464-82-1P 170464-83-2P  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)  
(synthesis of pyrrolo[2,3-d]pyrimidine derivs. with antimicrobial activity)  
IT 170464-70-7P 170464-72-9P 170464-74-1P 170464-76-3P  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological

study); PREP (Preparation)  
 (synthesis of pyrrolo[2,3-d]pyrimidine derivs. with antimicrobial activity)

IT 109-77-3, Malononitrile 123-54-6, Acetylacetone, reactions 141-97-9, Ethyl acetylacetate 60532-55-0 146537-21-5  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (synthesis of pyrrolo[2,3-d]pyrimidine derivs. with antimicrobial activity)

IT 115998-21-5P 170464-69-4P 170464-78-5P 170464-79-6P  
 170464-81-0P 170464-84-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (synthesis of pyrrolo[2,3-d]pyrimidine derivs. with antimicrobial activity)

IT 170464-71-8P 170464-73-0P 170464-75-2P 170464-77-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (synthesis of pyrrolo[2,3-d]pyrimidine derivs. with antimicrobial activity)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L15 21 ANSWERS CAPLUS COPYRIGHT 2006 ACS on STN

IC ICM C07D473-00  
 ICS C07D487-04; A61K031-52; A61K031-519; A61P011-00; A61P019-00; A61P019-10; A61P025-28; A61P029-00

CC 28-16 (Heterocyclic Compounds (More Than One Hetero Atom))  
 Section cross-reference(s): 1, 63

TI Preparation of novel purine- or pyrrolo[2,3-d]pyrimidine-2-carbonitriles for treating diseases associated with cysteine protease activity

ST purinecarbonitrile pyrrolopyrimidinecarbonitrile prepn analgesic cysteine protease Cathepsin S inhibitor

IT Analgesics  
 Human  
 (preparation of purine- or pyrrolo[2,3-d]pyrimidine-2-carbonitriles for treating diseases associated with cysteine protease activity)

IT Pain  
 (treating; preparation of purine- or pyrrolo[2,3-d]pyrimidine-2-carbonitriles for treating diseases associated with cysteine protease activity)

IT 37353-41-6, Cysteine protease 71965-46-3, Cathepsin S  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (preparation of purine- or pyrrolo[2,3-d]pyrimidine-2-carbonitriles for treating diseases associated with cysteine protease activity)

IT 640284-95-3P  
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of purine- or pyrrolo[2,3-d]pyrimidine-2-carbonitriles for treating diseases associated with cysteine protease activity)

IT 640284-82-8P 640284-83-9P 640284-84-0P 640284-85-1P 640284-86-2P  
 640284-87-3P 640284-88-4P 640284-89-5P 640284-90-8P 640284-91-9P  
 640284-92-0P 640284-93-1P 640284-94-2P 640284-96-4P 640284-97-5P  
 640284-98-6P 640284-99-7P 640285-00-3P 640285-01-4P 640285-02-5P  
 640285-03-6P 640285-04-7P 640285-05-8P 640285-06-9P 640285-07-0P  
 640285-08-1P 640285-09-2P 640285-10-5P 640285-11-6P 640285-12-7P  
 640285-13-8P 640285-14-9P 640285-15-0P 640285-16-1P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of purine- or pyrrolo[2,3-d]pyrimidine-2-carbonitriles for



treating diseases associated with cysteine protease activity)

IT 95-51-2, 2-Chloroaniline 106-47-8, 4-Chloroaniline, reactions  
 110-91-8, Morpholine, reactions 598-10-7, Cyclopropane-1,1-dicarboxylic  
 acid 5451-40-1, 2,6-Dichloropurine 7531-52-4, L-Prolinamide  
 10182-68-0 14036-06-7, Diethoxymethyl acetate 16420-13-6,  
 Dimethylthiocarbamoyl chloride 57564-94-0 145783-14-8,  
 4,6-Dichloro-5-nitro-2-(propylthio)pyrimidine 145783-15-9 639855-27-9  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of purine- or pyrrolo[2,3-d]pyrimidine-2-carbonitriles for  
 treating diseases associated with cysteine protease activity)

IT 16285-46-4P 16285-55-5P 19406-00-9P, Methyl 2-oxotetrahydrofuran-3-  
 carboxylate 190655-15-3P 439803-63-1P 639855-26-8P 639855-38-2P  
 639855-39-3P 640285-17-2P 640285-19-4P 640285-21-8P 640285-22-9P  
 640285-23-0P 640285-24-1P 640285-25-2P 640285-26-3P 640285-27-4P  
 640285-28-5P 640285-29-6P 640285-30-9P **640285-31-0P**  
**640285-32-1P** 640285-33-2P 640285-34-3P 640285-35-4P  
 640285-36-5P 640285-37-6P 640285-38-7P 640285-39-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of purine- or pyrrolo[2,3-d]pyrimidine-2-carbonitriles for  
 treating diseases associated with cysteine protease activity)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d his

(FILE 'HOME' ENTERED AT 13:16:28 ON 19 APR 2006)

FILE 'REGISTRY' ENTERED AT 13:16:48 ON 19 APR 2006

L1 STRUCTURE UPLOADED

L2 8 S L1

L3 205 S L2 FULL

FILE 'CAPLUS' ENTERED AT 13:19:17 ON 19 APR 2006

L4 129 S L3

E PHOSPHODIESTERASE VII/CT

FILE 'REGISTRY' ENTERED AT 13:20:22 ON 19 APR 2006

E PHOSPHODIESTERASE VII/CN

FILE 'CAPLUS' ENTERED AT 13:20:22 ON 19 APR 2006

S E3

FILE 'REGISTRY' ENTERED AT 13:20:28 ON 19 APR 2006

L5 1 S E3/CN

FILE 'CAPLUS' ENTERED AT 13:20:29 ON 19 APR 2006

L6 6194 S L5

E 544280/NCL

L7 246 S 544280?/NCL

L8 1 S L4 AND L6,L7

L9 0 S L4 (L) PHOSPHODIESTERASE?

FILE 'REGISTRY' ENTERED AT 13:34:19 ON 19 APR 2006

FILE 'CAPLUS' ENTERED AT 13:35:06 ON 19 APR 2006

FILE 'STNGUIDE' ENTERED AT 13:35:10 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 13:47:56 ON 19 APR 2006

L10 STRUCTURE UPLOADED  
L11 21 S L10

FILE 'STNGUIDE' ENTERED AT 13:49:59 ON 19 APR 2006

FILE 'REGISTRY' ENTERED AT 13:50:56 ON 19 APR 2006

L12 STRUCTURE UPLOADED  
L13 4 S L12  
L14 105 S L13 FULL

FILE 'CAPLUS' ENTERED AT 13:52:08 ON 19 APR 2006

L15 21 S L14

=> d ibib abs hitstr l15 tot

L15 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1192816 CAPLUS

DOCUMENT NUMBER: 143:460172

TITLE: Preparation of 7H-pyrrolo[2,3-d]pyrimidines as  
antiinflammatory agents

INVENTOR(S): Szolcsanyi, Janos; Orfi, Laszlo; Keri, Gyoergy;  
Waczek, Frigyes; Pinter, Erika; Helyes, Zsuzsanna;  
Szuets, Tamas; Nemeth, Jozsef

PATENT ASSIGNEE(S): Hung.

SOURCE: PCT Int. Appl., 57 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005105804	A1	20051110	WO 2005-HU40	20050425
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: HU 2004-891 A 20040429

OTHER SOURCE(S): MARPAT 143:460172

GI